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#### AAM COLORADO DEPARTMENT OF HEALTH DKA4 Counsei 4210 East 11th Avenue Denver, Colorado 80220 CH Almin, Br. 1989 JUN 15 A 7:37 Phone (303) 320-8333 CH. FIS &. tief that Or. CHIPM E. **&**4, 5455 (c. CH, SAEP OF. Covernor CH. S&S S... Thomas M Vernon, M.D. Proj. Mgr. PRAP Executive

June 12, 1989

Mr. Edward Goldberg, Area Manager DEPARTMENT OF ENERGY Albuquerque Operations Rocky Flats Area Office P. O. Box 928 Golden, Colorado 80402-0928

Certified Mail No: P 254 222 307 Return Receipt Requested

Duane Catlett

Dear Mr. Goldberg:

All air pollution sources in Colorado are required to submit revised Air Pollutant Emission Notices (APENs) for any odorous, toxic or hazardous pollutant whenever there has been any change in actual emissions of any such pollutant. The Air Pollution Control Division is requesting all APENs be filed or updated for all air pollution sources, by building, located at the Rocky Flats facility.

Further, and in accordance with 25-7-111(2)(c), CRS, we are requesting submission of the amount of fuel burned and the amount of contaminated material incinerated in the unit located in Building 771 for the years of 1987 and 1988. Additionally, this information must include the type of material (e.g., paper, cloth, wood, liquid, etc.) incinerated and any contaminants (e.g., platonium, solvents, etc.) contained in the material incinerated. This information should be submitted on a Revised Air Pollution Emission Notice (APEN) form as required by the Air Quality Control Commission's Regulation No. 3., Section II. APEN forms and the pertinent section of the regulation are enclosed for your convenience.

During an on-site inspection conducted June 16, 1988 by Mr. Cliff Myers of the Jefferson County Health Department, information was requested concerning the operation of the incinerator located in Building 771 under Emission Permit 12JE932. The specific request was for fuel usage and the amount of contaminated waste incinerated. There have been several verbal requests for this information since that inspection, however, to date the information has not been provided nor has there been any written response outlining the reason for not submitting the information.

Mr. Edward Goldberg June 12, 1989 Page 2

The requested information is to be submitted no later than July 1, 1989.

Should you have any questions concerning this matter, contact this office at (303) 331-8578.

Sincerely,

Bradley J. Beckham, Director

Air Pollution Control Division

BJB/jsg 1723b

Enclosures

cc: Tom Looby, OHEP

Tim Holeman, Governor's Office Dave Shelton, HM & WMD

## FACTS SHEET FOR ROCKY FLATS June 13, 1989

Under the Colorado Air Quality Control Act, the Air Quality Control Commission is directed to promulgate such rules and regulations that foster the health of the inhabitants of the State and that attain and maintain the national ambient air quality standards.

Ambient Air Quality Standards have been established for particulates, suflur dioxide, carbon monoxide, nitrogen dioxide and ozone. Commonly referred to as criteria pollutants. Emission control regulations have been adopted for the specific sources of these pollutants.

Emission control regulations have been promulgated for the following hazardous air pollutants; asbestos, beryllium, mercury, vinyl chloride, lead, hydrogen sulfide and benzene. The Air Quality Control Commission is planning on purposing additional air toxic regulations including radionuclides this fiscal year.

The Air Pollution Control Division is responsible for enforcing the Ambient Air Quality Standards and Emission Control Regulations. The Division has no authority to control emissions of unregulated pollutants.

New sources of air pollution are required to obtain emission permits from the Division and demonstrate compliance with emission control regulations. Existing sources are expected to demonstrate compliance with emission control regulations.

Rocky Flats has obtained air permits for the incinerators in buildings 771, 776 and 122.

Building 122 - incinerator is permitted to burn classified documents.

Building 771 - incinerator is permitted to burn plutonium contaminated plastics, paper, rubber and cloth. Controls include a potassium hydroxide scrubber and HEPA filtration.

Building 776 - a pilot and demo incinerator permitted to burn plutonium contaminated solid and liquid waste. Controls include a cyclone, catalytic afterburner, sintered metal filters and HEPA filteration. This source requires a RCRA permit which has not been granted.

Burning of other material not allowed by the permits would violate the permit conditions and is not allowed unless the permits are modified.

Radionuclides are monitored at eight locations around the Rocky Flats facility.

Presently, the Division is working with EPA to design a new air quality monitoring system to determine the level of ongoing stack emissions.

JMC/jsg 1723b

#### II. Air Pollutant Emission Notice Requirements

#### A. General

Except as specifically exempted in Subsection II.C. no person shall permit emission of air pollutants from, or construction or alteration of, any facility, process, or activity from which air pollutants are, or are to be, emitted unless and until an Air Pollution Emission Notice (APEN) has been filed with the Division with respect to such emission. Each such notice shall specify the location at which the proposed emission will occur, the name and address of the persons operating and owning such facility, the nature of such facility, process or activity, an estimate of the quantity and composition of the expected emission and other information as required in the current APEN form. The expected emissions shall be based upon actual test data or, in the absence of such data upon estimations acceptable to the Division. Division shall make available at all air pollution control authority offices appropriate forms on which the information required by this section shall be furnished.

#### B. Revised APENs

- 1. A revised Air Pollutant Emissions Notice shall be filed:
- a. Annually if a significant change in emissions has occurred at a source of air pollutants which emits, or has the potential to emit, one hundred (100) tons per year or more of any pollutant; or
  - b. At least once every three years if a significant change in emissions at a source other than those designated in a., above, has occurred; or
  - c. Whenever there is a change in the owner or operator of any facility, process, or activity; or
  - d. Whenever the location of a portable facility, process, or activity is changed. Such notice shall be received by the Division at least 10 days prior to the change in location; or
  - e. Whenever an owner or operator wishes to cancel a permit.
- 2. "Significant Change," for the purposes of this Subsection B. means:
  - a. For any pollutant which the Division classifies as odorous, hazardous, or toxic:
    - (i) The emission in any amount of any such air pollutant not reported on the Air Pollutant Emission Notice (APEN) on file with the Division, or

- (ii) Any change in actual emissions of any such pollutant.
- b; For any other pollutants:
  - (i) The uncontrolled emission of one wan per year or more of any such air pollutant not reported on the Air Pollutant Emission Notice (APEN) on file with the Division, or
  - (ii) For sources emitting less than 100 tons per year, a change in actual emissions of five tons per year or more of any such air pollutant; or
  - (iii) For VOC sources in ozone nonattainment areas emitting less than 100 tons per year, a change in actual emissions of one ton per year or more or live percent, whichever is greater; or
  - (iv) For sources emitting 100 tons per year or more, a change in actual emissions of five percent or 50 tons per year or more, whichever is less, of any such air pollutant.
- 3. a. Whether or not a significant change has occurred shall be determined for each separate emission point at a source, or at the request of the source owner or operator, on the basis of netted emission increases and decreases of emissions points which are within the same Source Classification Code subgroups and have similar process and emission characteristics.
  - b. Revised APENs may be in any readily understandable format which contains the emissions data or process data from which emissions data can be determined and shall contain a brief description of the reason for the significant change. A revised APEN filing fee shall be charged for each significant change reported, regardless of format.
  - c. Revised APENS shall be submitted by April 1 of each year and shall contain emission estimates for the preceeding calendar year.
- C. Exemptions from APEN Requirements

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- The following sources are exempt from the requirement to file APENs because by themselves, or cumulatively as a category, they are deemed to have a negligible impact on air quality.
  - a. Air conditioning or ventilating systems not designed to remove air pollutants generated by or released from other processes or equipment.

- Fireplaces used for recreational purposes, inside or outside.
- c. Fires used for non-commercial cooking of food for human consumption.
- d. Flares used to indicate danger to the public.
- e. Agriculture operations normally conducted at the farm or ranch including, for example, cultivating and harvesting. This shall not include grain elevator operations, feed mill operations or other post-harvesting activities normally not conducted on the farm or ranch.
- f. Construction or alteration of residential structures, including all buildings or other structures used primarily as a place for residence.
- g. Experimental laboratory equipment.

. . . . .

- h. Disturbance of surface areas which do not exceed 25 contiguous acres and which do not exceed six months in duration. (Does not include mining operations)
- i. Fuel burning equipment, other than smokehouse generators, which use gaseous fuel at an input rate of less than 750,000 BTU per hour.
  - j. Sources having uncontrolled emissions of any pollutant of less than one ton per year, with the exception of sources of any emissions of hazardous, toxic, or odorous pollutants.
  - k. Internal combustion engines powering portable drilling rigs.
  - Petroleum industry flares, not associated with refineries, combusting natural gas containing no H<sub>2</sub>S except in trace amounts, approved by the Colorado Oil and Gas Conservation Commission and having uncontrolled emissions of any pollutant of less than five tons per year.
- 2. Sanding of streets and roads to abate traffic hazards caused by ice and snow.
- 3. Non-commercial, residential use of paints and solvents.

#### III. GENERAL REQUIREMENT FOR EMISSION PERMITS

#### A. General Considerations

- 1. Except where specifically authorized by the terms of this Regulation No. 3, no person shall construct or modify any building, facility, structure, or installation, or install any machine, equipment, or other device, or commence the conduct of any such activity, or commence performance of any of the same which will or do constitute a new stationary source or modified source without first obtaining or having a valid permit from the Division.
- 2. Any permit which has been issued pursuant to a prior regulation of the Commission, with respect to a project or the operation thereof, shall continue in full force and effect for the purpose for which it was originally issued.
- Any orders or decisions of the Division shall be final upon issue.

### B. Transfer or Assignment of Ownership

If transfer or assignment of ownership or operation of a permitted air contaminant emission source is anticipated, the prospective owner or operator shall apply to the Division on Division supplied forms for reissuance of the existing permit. The permit shall be reissued upon completion of the transfer or assignment if the applicant certifies that no change is contemplated which might constitute a new or modified air pollution source. In no event shall the new owner or operator of a source which was subject to the requirements of these regulations prior to the transfer or assignment be relieved of the obligation to comply with such requirements by reason of a transfer.

#### ... C. Portable Sources

A permitted portable source (e.g., aschalt plants, crushers, etc.) shall have its emission permit number permanently and prominently displayed on each major component of equipment that is a part of that portable source.

#### D. Exemption from Permit Requirements

- The following sources are exempt because by themselves, or cumulatively as a category, they are deemed to have a negligible effect on air quality:
  - a. Those sources exempted from the filing of APENs in Section II.C. of this regulation except that for the purposes of this section, the exemption for residential structures shall be limited to single-family residential dwellings.

# FOR REVISIONS NLY

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Check One:	☐Emission C	Change	Relocation		Transfer/Ownership	
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#### INSTRUCTIONS FOR COMPLETING REVISED APEN

Revised APENs are for reporting ACTUAL data (fuel use, production rates, emissions, etc.) for a specific calendar year, for sources which have previously submitted APENs. The revised APEN form is very similar to the APEN's which are used by the Air Pollution Control Division for new sources. Please review the instructions for filling out the new source AFEN if you are unfamiliar with the forms.

The revised APEN should only be used for revisions to the APEN(s) which the Division currently has on record. DO NOT USE THIS FORM IF THE INFORMATION IS FOR A NEW SOURCE OR FOR A PERMIT MODIFICATION. USE NEW SOURCE APEN INSTEAD.

When filling out a revised APEN, complete the following:

- 1. Fill in the company information at the top of form. Be sure to include the applicable permit number.
- 2. Fill in the information under any section for which a change has occurred. For most sources, this will most likely involve the annual fuel consumption or raw material throughput.
- 3. Following BASE YEAR, list the last year in which you submitted an APEN to the Division. Following REPORTING YEAR list the year for which the information or this sheet applies. CALENDAR YEARS SHOULD BE USED (JANUARY THROUGH DECEMBER).
- 4. If you are aware of your emission rates, please list them on the right hand side of Section E. Fill in the columns for the Reporting Year and Base Year, together with the resultant emissions change.
- 5. Sign and date the form and send to the Air Pollution Control Division with a \$40.00 filing fee for each APEN.

Sources MUST submit a revised APEN as noted below (per Regulation 3, Section II.B:):

Source Emissions 100 tons/year or more Revised APEN Required

Annually if a change in actual emissions of 5% or 50 tons, whichever is less, has occurred.

Under 100 tons/year o Whenever a change in actual emissions of 5 tons/year occurs except for sources of volatile organic compounds in the Met. Denver Region which must report a change of 1 TPY or 5% of actual emissions, whichever is greater. CHANGES ARE TO BE REPORTED AT LEAST ONCE EVERY THREE YEARS.

All sources

- o Whenever there is a <u>CHANGE IN THE OWNER</u> or operator of any facility.
- o Whenever the location of a PORTABLE FACILITY is changed and it is to be operated at the new location for at least 30 days;
- o Whenever a toxic, odorous, or hazardous pollutant is emitted in any quantity which was not previously reported, or whenever there is a change in emission rate of such pollutant;
- o Whenever the <u>uncontrolled</u> emissions of 1 ton/year of more of any pollutant not previously reported occurs.